

Default Value

Lines	Price/sq. ft.
0	\$5.00
1,000	\$7.50
5,000	\$10.00
25,000	\$15.00
50,000	\$20.00

## TRAFFIC PARAMETERS

### B92. Local Call Attempts

Definition

The number of yearly local call attempts, as reported to the FCC.

Default Value

Taken from ARMIS reports for the LEC being studied.

### B93. Call Completion Fraction

Definition

The percentage of call attempts that result in a completed call. Calls that result in a busy signal, no answer, or network blockage are all considered incomplete.

Default Value

0.7

### B94. IntraLATA Calls Completed

Definition

The number of yearly intraLATA call attempts, as reported by the FCC

Default Value

Taken from ARMIS reports for the LEC being studied.

### B95. InterLATA Intrastate Calls Completed

Definition

The number of yearly interLATA intrastate call attempts, as reported to the FCC.

Default Value

Taken from ARMIS reports for the LEC being studied.

### **B96. InterLATA Interstate Calls Completed**

#### **Definition**

The number of yearly interLATA interstate call attempts, as reported to the FCC

#### **Default Value**

Taken from ARMIS reports for the LEC being studied.

### **B97. Local DEMs, thousands**

#### **Definition**

The number of yearly local DEMs, as reported to the FCC.

#### **Default Value**

Taken from ARMIS reports for the LEC being studied.

### **B98. Intrastate DEMs, thousands**

#### **Definition**

The number of yearly intrastate DEMs, as reported to the FCC.

#### **Default Value**

Taken from ARMIS reports for the LEC being studied.

### **B99. Interstate DEMs, thousands**

#### **Definition**

The number of yearly interstate DEMs, as reported to the FCC.

#### **Default Value**

Taken from ARMIS reports for the LEC being studied.

### **B100. Local bus/res DEMs ratio**

#### **Definition**

The ratio of local Business DEMs per line to local Residential DEMs per line.

#### **Default Value**

1.1

### **B101. Intrastate bus/res DEMs**

#### **Definition**

The ratio of intrastate Business DEMs per line to intrastate Residential DEMs per line.

Default Value

2

### **B102. Interstate bushes DEMs**

Definition

The ratio of interstate Business DEMs per line to interstate Residential DEMs per line.

Default Value

3

### **B103. Busy hour fraction of daily usage**

Definition

The percentage of daily usage that occurs during the busy hour

Default Value

0.10

### **B104. Annual to daily usage reduction factor**

Definition

The effective number of business days in a year, used to concentrate annual usage into a fewer number of days as a step in determining busy hour usage.

Default Value

270

### **B105. Holding time multipliers, residential/business**

Definition

The potential modification to the average call “holding time” (i.e., duration) to reflect Internet use or other causes, expressed as a multiplier of the holding time associated with ordinary residential or business telephone calls.

Default Value

Holding time multipliers	
Residential	Business
1.0	1.0

### **B106. Call attempts, Busy Hour (BHCA), residential/business**

Definition

The number of call attempts originated per residential and business subscriber during the busy hour

### Default Value

Busy Hour Call Attempts	
Residential	Business
1.3	3.5

## INTEROFFICE INVESTMENT

### B107. Transmission Terminal Investment

#### Definition

The investment in 1) the fully-equipped add-drop multiplexer (ADM) that extracts/inserts signals into OC-48 or OC-3 fiber rings, and are needed in each wire center to connect the wire center to the interoffice fiber ring; and 2) the fully-equipped OC-3/DS-1 terminal multiplexers required to interface to the OC-48 ADM and to provide point to point circuits between on-ring wire centers and end offices not connected directly to a fiber ring. The "Investment per 7 DS-1" figure is the amount by which the investment in OC-3s is reduced for each unit of 7 DS-1s below full capacity of the OC-3.

#### Default Value

Transmission Terminal Investment			
OC-48 ADM, Installed		OC-3/DS-1 ADM/Terminal Multiplexer, Installed	Investment per 7 DS-1s
48 DS-3s	12 <b>DS-3s</b>	84 DS-1s	<b>7 DS-1s</b>
\$50,000	\$40,000	\$26,000	\$500

### B108. Number of fibers

#### Definition

The assumed fiber cross-section, or number of fibers in a cable, in an interoffice fiber ring and point to point connection.

#### Default Value

24

### B109. Pigtail Investment

#### Definition

The cost of the short fiber connectors that attach the interoffice ring fibers to the wire center transmission equipment via a patch panel.

#### Default Value

\$60.00 per pigtail

## **B110. Optical Distribution Panel**

### **Definition**

The cost of the physical fiber patch panel used to connect 24 fibers to the transmission equipment.

### **Default Value**

\$1,000.00

## **B111. EF&I, per hour**

### **Definition**

The per-hour cost for the “engineered, furnished, and installed” activities for equipment in each wire center associated with the interoffice fiber ring, such as the “pigtailed” and patch panels to which the transmission equipment is connected.

### **Default Value**

\$55.00

## **B112. EF&I, units**

### **Definition**

The number of hours required to install the equipment associated with the interoffice transmission system (see EF&I, per hour, above).

### **Default Value**

32 hours

## **B113. Regenerator investment, installed**

### **Definition**

The installed cost of an OC-48 optical regenerator.

### **Default Value**

\$15,000

## **B114. Regenerator spacing, miles**

### **Definition**

The distance between digital signal regenerators in the interoffice fiber optics transmission system.

### **Default Value**

40 miles

### **B115. Channel Bank Investment, per 24 lines**

#### **Definition**

The investment in voice grade to DS-I multiplexers in wire centers required for some special access circuits.

#### **Default Value**

\$5,000

### **B116. Fraction of SA Lines Requiring Multiplexing**

#### **Definition**

The percentage of special access circuits that require DS-0 to DS-1 multiplexing in the wire center in order to be carried on the interoffice transmission system. This parameter is for use in conjunction with a study of the cost of special access circuits.

#### **Default Value**

0.0

### **B117. Digital Cross Connect System, Installed, per DS-3**

#### **Definition**

The investment required for a digital cross connect system that interfaces DS-1 signals between switches and OC-3 multiplexers, expressed on a per DS-3 basis (672 DS-0).

#### **Default Value**

\$30,000

### **B118. Transmission Terminal Fill (DS-0 level)**

#### **Definition**

The fraction of maximum DS-0 circuit capacity that can actually be utilized in ADMs, DS-I to OC-3 multiplexers, and channel banks.

#### **Default Value**

0.90

### **B119. Interoffice Fiber Cable investment per foot, installed**

#### **Definition**

The installed cost per foot of interoffice fiber cable, assuming a 24-fiber cable.

#### **Default Value**

\$3.50 installed and buried

## **B120. Number of Strands per ADM**

### **Definition**

The number of interoffice fiber strands connected to the ADM in each wire center. At least four strands per ADM are required around the ring.

### **Default Value**

4

## **B121. Interoffice Structure Percentages**

### **Definition**

The relative amounts of different structure types supporting interoffice transmission facilities. Aerial cable is attached to telephone poles or buildings, buried cable is laid directly in the earth, and underground cable runs through underground conduit. Aerial and buried percentages are entered by the user; the underground fraction is then computed.

### **Default Values**

Structure Percentages		
Aerial	Buried	Underground
20%	60%	20%

1

## **B122. Transport Placement**

### **Definition**

The cost of placement of fiber cable used in the interoffice transmission system

### **Default Values**

Transport Placement, per foot	
Buried	Conduit
\$1.77	\$16.40

## **B123. Buried Sheath Addition**

### **Definition**

The cost of dual sheathing for additional mechanical protection of fiber interoffice transport cable.

### **Default Value**

\$0.20/foot

## **B124. Interoffice conduit, cost and number of tubes**

### **Definition**

The cost per foot for interoffice fiber cable conduit, and the number of spare tubes (conduit) placed per

route.

#### Default Values

Cost per foot	Spare tubes per route
\$0.60	1

### **B125. Pullbox Spacing**

#### Definition

Spacing between pullboxes in the interoffice portion of the network.

#### Default Value

2,000 feet

### **B126. Pullbox Investment**

#### Definition

Investment per fiber pullbox in the interoffice portion of the network.

#### Default Value

\$500

### **B127. Pole Spacing, Interoffice**

#### Definition

Spacing between poles supporting aerial interoffice fiber cable.

#### Default Value

150 feet

### **B128. Interoffice pole material and labor**

#### Definition

The installed cost of a 40' Class 4 treated southern pine pole.



Default Value

Pole Investment	
Materials	\$201
Labor	\$216
<b>Total</b>	<b>\$417</b>

### **B129. Fraction Interoffice Structure Common With Feeder**

Definition

The percentage of structure supporting interoffice transport facilities that is also shared by feeder facilities, expressed as a fraction of the smaller of the interoffice and feeder investment for each of the three types of facilities (i.e., aerial, buried and underground are considered separately in calculating the amount of sharing).

Default

0.75

### **B130. Fraction of interoffice structure assigned to telephone**

Definition

The fraction of investment in interoffice poles and trenching that is assigned to LECs. The remainder is attributed to other utilities/carriers

Default Value

Fraction of Interoffice Structure Assigned to Telephone		
Aerial	Buried	Underground
0.33	0.33	0.33

## **TRANSMISSION PARAMETERS**

### **B131. Operator traffic fraction**

Definition

Fraction of traffic that requires operator assistance. This assistance can be automated or manual (see Operator Intervention Fraction in the Operator Systems section below)

Default

0.02

### **B132. Total interoffice traffic fraction**

Definition

The fraction of all calls that are completed on a switch other than the originating switch, as opposed to calls completed within a single switch.

Default

0.65

### **B133. Maximum trunk occupancy, CCS**

Definition

The maximum utilization of a trunk during the busy hour.

Default

27.5

### **B134. Trunk port investment, per end**

Definition

Per-trunk equivalent investment in switch trunk port at each end of a trunk.

Default

\$100

### **B135. Direct-routed fraction of local inter-office**

Definition

The amount of local interoffice traffic that is directly routed between originating and terminating end offices as opposed to being routed via a tandem switch.

Default

0.98

### **B136. Tandem routed fraction of total intraLATA traffic**

Definition

Fraction of intraLATA calls that are routed through a tandem.

Default

0.2

### **B137. Tandem routed fraction of total interLATA traffic**

Definition

Fraction of interLATA (IXC access) calls that are routed through a tandem instead of directly to the IXC.

Default

0.2

### **B138. POPs per Tandem Location**

#### **Definition**

The number of IXC points of presence requiring an entrance facility, per LEC tandem.

#### **Default**

5

### **B139. Threshold value for off-ring wire centers**

#### **Definition**

The threshold value, in lines, that determines whether a wire center should be included in ring calculations and therefore be a candidate to appear on (that is, be directly connected to) a ring. Wire centers whose size falls below the threshold will not appear on a ring, but will be connected via a point-point link to the tandem switch or via a "spur" to the nearest wire center that is on a ring. Transmission equipment in such cases consists of terminal multiplexers and not ADMs. This parameter only applies to companies that own and operate a local tandem switch.

#### **Default**

1 line

### **B140. Remote - host fraction of interoffice traffic**

#### **Definition**

Fraction of local direct traffic assumed to flow from a remote to its host switch.

#### **Default**

0.10

### **B141. Host - remote fraction of interoffice traffic**

#### **Definition**

Fraction of local direct traffic assumed to flow from a host to its remotes.

#### **Default**

0.05

### **B142. Maximum nodes per ring**

#### **Definition**

Maximum number of ADMs that are permitted on a single ring.

#### **Default**

16

---

### **B142a. Ring transiting traffic factor**

#### Definition

An estimated factor, representing the fraction of traffic that flows from one ring to another by way of a third, or “transit,” ring.

#### Default

**0.40**

### **B142b. Intertandem fraction of tandem trunks**

#### Definition

A factor used to estimate the number of additional trunks required to carry intertandem traffic

#### Default

0.10

## **TANDEM SWITCHING**

### **B143. Real time limit, BHCA**

#### Definition

The maximum number of BHCA a tandem switch can process.

#### Default

**750,000**

### **B144. Port limit, trunks**

#### Definition

The maximum number of trunks that can be terminated on a tandem switch.

#### Default

100,000

### **B145. Tandem common equipment investment**

#### Definition

The amount of investment in tandem switch common equipment, which is the hardware and software that is present in the tandem in addition to the trunk terminations themselves. The cost of a tandem is estimated by the HM as the cost of common equipment plus an investment per trunk terminated on the tandem.

#### Default

\$1 ,000,000

#### **B146. Maximum trunk fill (port occupancy)**

##### **Definition**

The fraction of the maximum number of trunk ports on a tandem switch that can be utilized.

##### **Default**

0.90

#### **B147. Maximum real time tandem occupancy**

##### **Definition**

The fraction of the total capacity (expresses as the real time limit, BHCA) a tandem switch is allowed to carry before an additional switch is provided.

##### **Default**

0.90

#### **B148. Tandem common equipment intercept factor**

##### **Definition**

The multiplier of the common equipment investment input that gives the common equipment cost for the smallest tandem switch, allowing scaling of tandem switching investment according to trunk requirements

##### **Default**

0.50

#### **B149. Entrance Facility Distance from Serving Wire Center & IXC POP**

##### **Definition**

Average length of trunks connecting an IXC with the wire center that serves it.

##### **Default**

0.5 miles

### **SIGNALING**

#### **B150. STP link capacity**

##### **Definition**

The maximum number of signaling links that can be terminated on a given STP pair.

##### **Default Value**

720

### **B151. STP maximum fill**

#### **Definition**

The fraction of maximum links, as stated by the STP link capacity input, that the model assumes can be utilized before it adds another STP pair.

#### **Default Value**

0.80

### **B152. STP maximum common equipment investment, per pair**

#### **Definition**

The cost to purchase and install an STP pair, fully equipped for the maximum number of links.

#### **Default Value**

Maximum investment: \$5,000,000

### **B153. STP minimum common equipment investment, per pair**

#### **Definition**

The minimum investment for a minimum-capacity STP, i.e.: the fixed investment for an STP pair that serves a minimum number of links.

#### **Default Value**

\$ 1,000,000

### **B154. Link termination, both ends**

#### **Definition**

The investment required for the transmission equipment that terminates both ends of an SS7 signaling link.

#### **Default Value**

**\$900.00**

### **B155. Signaling link bit rate**

#### **Definition**

The rate at which bits are transmitted over an SS7 signaling link.

#### **Default Value**

56,000 bits per second

### **B156. Link occupancy**

#### **Definition**

The fraction of the maximum bit rate that can be sustained on an SS7 signaling link.

Default Value

0.40

### **B157. C link cross-section**

Definition

The number of C-links in each segment connecting a mated STP pair.

Default Value

24

### **B158.ISUP messages per interoffice BHCA**

Definition

The number of Integrated Services Digital Network User Part (ISUP) messages associated with each interoffice telephone call attempt, i.e. the messages switches send to each other over the SS7 network to negotiate establishing a voice path.

Default Value

6

### **B159. ISUP message length, bytes**

Definition

The average number of bytes in each ISUP (ISDN User Part) message.

Default Value

25 bytes

### **B160. TCAP messages per transaction**

Definition

The number of Transaction Capabilities Application Part (TCAP) messages required per SCP database query. A TCAP message is a message from a switch to a database or another switch that provides the switch with additional information prior to setting up a call or completing a call.

Default Value

2

### **B161. TCAP message length, bytes**

Definition

The average length of a TCAP message.

Default Value

100 bytes

### **B162. Fraction of BHCA requiring TCAP**

#### **Definition**

The percentage of BHCA's that require a database query, and thus generate TCAP messages.

#### **Default Value**

0.10

### **B163. SCP investment per transaction per second**

#### **Definition**

The investment in the Service Control Point (SCP) associated with database queries, or transactions, stated as the investment required per transaction per second. For example, an SCP required to handle 100 transactions per second would require a 2 million dollar investment, if the default of \$20,000 is assumed.

#### **Default Value**

**\$20,000**

## **OS AND PUBLIC TELEPHONE**

### **B164. Investment per operator position**

#### **Definition**

The investment per computer required for each operator position.

#### **Default Value**

**\$6,400**

### **B165. Maximum utilization per position, CCS**

#### **Definition**

The estimated maximum number of CCS that one operator position can handle during the busy hour.

#### **Default Value**

**32**

### **B166. Operator intervention factor**

#### **Definition**

The percentage of all operator-assisted calls that require operator intervention, expressed as 1 out of every N calls, where N is the value of the input.

#### **Default Value**

10



### **B167. Public Telephone equipment investment per station**

#### **Definition**

The weighted average cost of a public telephone and pedestal (coin/non-coin and indoor/outdoor).

#### **Default Value**

**\$760**

## **ICO PARAMETERS**

### **B168. ICO STP Investment per Line**

#### **Definition**

The surrogate value for the per line investment in a signal transfer point by an independent telephone company (ICO), in lieu of calculating it directly in the model.

#### **Default Value**

**\$5.50**

### **B169. Per Line ICO Local Tandem Investment**

#### **Definition**

The surrogate value for the per line investment in a local tandem switch by an independent telephone company (ICO), in lieu of calculating it directly in the model.

#### **Default Value**

**\$1.90**

### **B170. Per Line ICO OS Tandem Investment**

#### **Definition**

The surrogate value for the per line investment in an Operator Services tandem switch by an independent telephone company (ICO), in lieu of calculating it directly in the model.

#### **Default Value**

**\$0.80**

### **B171. Per Line ICO SCP Investment**

#### **Definition**

The surrogate value for the per line investment in a SCP by an independent telephone company (ICO), in lieu of calculating it directly in the model.

#### **Default Value**

**\$2.50**

### **B172. Per Line ICO STP/SCP Wire Center Investment**

#### **Definition**

The surrogate value for the per line investment in an STP/SCP wire center by an independent telephone company (ICO), in lieu of calculating it directly in the model.

#### **Default Value**

\$0.40

### **B173. Per Line ICO Local Tandem Wire Center Investment**

#### **Definition**

The surrogate value for the per line investment in a local tandem wire center by an independent telephone company (ICO), in lieu of calculating it directly in the model.

#### **Default Value**

\$2.50

### **B174. Per Line ICO OS Tandem Wire Center Investment**

#### **Definition**

The surrogate value for the per line investment in a operator services tandem wire center by an independent telephone company (ICO), in lieu of calculating it directly in the model.

#### **Default Value**

\$1 .00

### **B175. Per Line ICO C-Link / Tandem A-Link Investment**

#### **Definition**

The surrogate value for the per line investment in a C-link /tandem A-link by an independent telephone company (ICO), in lieu of calculating it directly in the model.

#### **Default Value**

\$0.30

### **B175a. Equivalent Facility Investment per DSO**

#### **Definition**

The per-DSO surrogate facilities investment by a small ICO for dedicated circuits between an end office and tandem switch belonging to the BOC (or other large LEC) on which the ICO relies for interoffice connectivity.

#### **Default Value**

\$138.08

## **B175b. Equivalent Terminal Investment per DSO**

### **Definition**

The per-DSO surrogate investment by a small ICO for terminal equipment used on dedicated circuits between an end office and tandem switch belonging to the BOC (or other large LEC) on which the ICO relies for interoffice connectivity.

### **Default Value**

\$111.62

## **HOST / REMOTE ASSIGNMENT**

### **B176. Host / remote CLI assignments**

#### **Definition**

An input form consisting of parameters that allow the user to specify the set of host and remote wire centers, and establish the relationships between remotes and their serving host, using the CLI codes of the respective switches. In the default mode, HM 5.0a assumes all switches operate independently, and thus does not include host/remote designations or relationships.

#### **Default Value**

Default settings do not define hosts or remotes.

### **B177. Host / remote assignment enable**

#### **Definition**

An option that, if enabled, instructs the model to perform switching calculations based on the host-remote relationships defined by Parameter 4.10.1.

#### **Default Value**

Default setting is disabled.

## **HOST / REMOTE INVESTMENT**

### **B177a. Line Size Designation**

#### **Definition**

The line size designation of fixed and per line investments for standalone, host, and remote switches.

### Default Value

Line Size
0
640
5,000
10,000

## B177b. Fixed and per Line Investments

### Definition

The fixed and per line investments included in the function that calculates the per line switching investment as a function of switch line size for host, remote, and stand alone switches, expressed separately for BOCs and large independents and for small independents. The cost function for each type of switch and each type of telephone company is assumed to have the form  $A + B * x$ , where A is the fixed investment, B is the per-line investment, and x is the number of lines.

### Default Value

Fixed and per Line Investments for Standalone, Host and Remote Switches						
BOCs and Large ICOs						
Line Size	Standalone fixed investment	Host fixed investment	Remote fixed investment	Standalone per line investment	Host per line investment	Remote per line investment
0	\$175,000	\$183,750	\$10,000	\$75	\$75	\$85
640	\$175,000	\$183,750	\$55,000	\$75	\$75	\$83
5,000	\$175,000	\$183,750	\$70,000	\$75	\$75	\$85
10,000	\$475,000	\$498,750	\$225,000	\$73	\$73	\$70
Small ICOs						
Line Size	Standalone fixed investment	Host fixed investment	Remote fixed investment	Standalone per line investment	Host per line investment	Remote per line investment
0	\$300,001	\$315,001	\$17,143	\$129	\$129	\$146
640	\$300,001	\$315,001	\$94,286	\$129	\$129	\$141
5,000	\$300,001	\$315,001	\$120,000	\$129	\$129	\$146
10,000	\$814,289	\$855,003	\$385,716	\$124	\$124	\$120

## EXPENSE

### COST OF CAPITAL

#### **B178. Cost of capital**

##### Definition

The capital cost structure, including the debt/equity ratio, cost of debt, and return on equity, that makes up the overall cost of capital.

##### Default Values

Debt percent	0.450
Cost of debt	0.077
Cost of equity	0.119
Weighted average cost of capital	<i>0.1001</i>

### DEPRECIATION AND NET SALVAGE

#### **B179. Depreciation Lives and Net Salvage Percentages**

##### Definition

The economic life and net salvage value of various network plant categories.

### Default Value

Plant Type	Economic Life	Net Salvage %
motor vehicles	8.24	11.21
garage work equipment	12.22	-10.71
other work equipment	13.04	3.21
buildings	46.93	1.87
furniture	15.92	6.88
office support equipment	10.78	6.91
company comm. Equipment	7.40	3.76
general purpose computers	6.12	3.73
digital electronic switching	16.17	2.97
operator systems	9.41	-0.82
digital circuit equipment	10.24	-1.69
public telephone term. Equipment	7.60	7.97
Poles	30.25	-89.98
aerial cable, metallic	20.61	-23.03
aerial cable, non metallic	26.14	-17.53
underground cable, metallic	25.00	-18.26
underground cable, non metallic	26.45	-14.58
buried cable, metallic	21.57	-8.39
buried cable, non metallic	25.91	-8.58
intrabuilding cable, metallic	18.18	-15.74
intrabuilding cable, non metallic	26.11	-10.52
conduit systems	56.19	-10.34

## EXPENSE ASSIGNMENT

### B179a. Expense Assignment

#### Definition

The fraction of certain categories of indirect expenses, including the loop component of general support, as well as network operations, other taxes, and variable overhead, that are assigned to loop UNEs (distribution, concentrator, feeder and NID), and thus to universal service, on a per-line basis, rather than the default assignment based on the relative proportions of the direct costs associated with these UNEs.

### Default Value

Expense Assignment	Percent to be assigned per line
General Support Loops	
Furniture – Capital Costs	0%
Furniture – Expenses	0%
Office Equipment – Capital Costs	0%
Office Equipment – Expenses	0%
General Purpose Computer – Capital Costs	0%
General Purpose Computer – Expenses	0%
Motor Vehicles – Capital Costs	0%
Motor Vehicles – Expenses	0%
Buildings – Capital Costs	0%
Buildings – Expenses	0%
Garage Work Equipment – Capital Costs	0%
Garage Work Equipment – Expenses	0%
Other Work Equipment – Capital Costs	0%
Other Work Equipment – Expenses	0%
Network Operations	0%
Other Taxes	0%
Variable Overhead	0%

## STRUCTURE FRACTION ASSIGNED TO TELEPHONE

### B180. Structure Percentage Assigned to Telephone Company

#### Definition

The fraction of investment in distribution and feeder poles and trenching that is assigned to LECs. The remainder is attributed to other utilities/carriers.

### Default Values

Structure Percent Assigned to Telephone Company						
Density Zone	Distribution			Feeder		
	Aerial	Buried	Underground	Aerial	Buried	Underground
0-5	.50	.33	1.00	.50	.40	.50
5-100	.33	.33	.50	.33	.40	.50
100-200	.25	.33	.50	.25	.40	.40
200-650	.25	.33	.50	.25	.40	.33
650-850	.25	.33	.40	.25	.40	.33
850-2,550	.25	.33	.33	.25	.40	.33
2,550-5,000	.25	.33	.33	.25	.40	.33
5,000-10,000	.25	.33	.33	.25	.40	.33
10,000+	.25	.33	.33	.25	.40	.33

### OTHER

#### B181. Income tax rate

##### Definition

The combined federal and state income tax rate on earnings paid by a telephone company

##### Default Value

39.25%

#### B182. Variable overhead factor

##### Definition

Forward-looking corporate overhead costs, expressed as a fraction of the sum of all capital costs and operations expenses calculated by the model.

##### Default Value

10.4%

#### B183. Other taxes factor

##### Definition

Operating taxes (primarily gross receipts and property taxes) paid by a telephone company in addition to federal and state income taxes.

##### Default Value

5%



#### **B184. Billing/hill inquiry per line per month**

##### **Definition**

The cost of bill generation and billing inquiries for end users, expressed as an amount per line per month.

##### **Default Value**

\$1.22

#### **B185. Directory listing per line per month**

##### **Definition**

The monthly cost of creating and maintaining white pages listings on a per line, per month basis that is to be eligible for universal service support.

##### **Default Value**

\$0.00

#### **B186. Forward-looking network operations factor**

##### **Definition**

The forward-looking factor applied to a specific category of expenses reported in ARMIS called Network Operations. The factor is expressed as the percentage of current ARMIS-reported Network Operations.

##### **Default Value**

50%

#### **B187. Alternative Central office switching expense factor**

##### **Definition**

The expense to investment ratio for digital switching equipment, used as an alternative to the ARMIS expense ratio, reflecting forward looking rather than embedded costs. Thus, this factor multiplies the calculated investment in digital switching in order to determine the monthly expense associated with digital switching. This factor is not intended to capture the cost of software upgrades to the switch, as all switching software is part of the capital value inputs to HM 5.0a.

##### **Default Value**

2.69%

#### **B188. Alternative circuit equipment factor**

##### **Definition**

The expense to investment ratio for all circuit equipment (as categorized by LECs in their ARMIS reports), used as an alternative to the ARMIS expense ratio to reflect forward looking rather than embedded costs.

##### **Default Value**

0.0153